

2007 Engineering Conference Breakout Period 1.

8. Accelerating the EA Process: Lessons Learned from SR-68

Track: Environmental

Presenter: Amy Zaref/Chris Elison, Parsons Brinkerhoff

Synopsis: This session will focus on how to develop a schedule and approach to accelerate the EA process. The NEPA process allows for flexibility, this session will examine ways to meet the NEPA requirements and apply environmental impact analysis methods to develop a NEPA document that "fits" the size and scope of the project. We will use the SR-68, Bangerter Highway to Saratoga Springs EA as an example to share lessons learned, both what worked well and where the process could have been improved.

Time Required: 50 Minutes

14. The Future of Engineering: Civil Engineering in 2025

Track: Leadership/Organizational Issues

Presenters: Blaine Leonard

Synopsis: This presentation is based on some studies which have been carried out by the National Academy of Engineering, ASCE, and others. It looks at trends affecting our industry, and the world, and "predicts" some of the conditions we will be dealing with in 25 years. It is a "gee whiz" presentation with all kinds of facts and trends, which causes us to think in the bigger picture and look forward a couple of decades.

Time required: 50 minutes

21. Emergency Operations - Are We Ready?

Track: Maintenance

Presenters: Major Jeffery Gravier (Deputy Director, Utah Division of Homeland Security), Tracy Conti, Dave Kinnecom

Synopsis: How is the state of Utah organized to respond to emergencies? What emergencies should we plan for? Earthquakes, floods, multiple accidents, range fires? What is the role of the new Division of Homeland Security in the Department of Public Safety? What are the requirements of the National Incident Management System and the Incident Command System? What is UDOT's plan for emergencies and what does it mean for you?

Time Required: 50 minutes

31. Cost Estimate Validation Process (CEVP)

Track: Project Management

Presenters: Fred Doehring and Steve Poulsen

Synopsis: The Role of CEVP in UDOT

Time Required: 50 minutes

36. Guardrail, Barrier, Crash Cushions—Policy and Practice

Track: ITS / Traffic Management / Safety

Presenter: John Leonard

Synopsis: Guardrail, barrier and Crash Cushion policy and practice will be discussed at this session.

Time Required: 50

46. Building and using GIS Data for Transportation Planning

Track: Systems Planning and Programming

Presenters: Bert Grandberg, AGRC; Terry Johnson, UDOT.

Synopsis: 1) GIS Transportation Model and Data, 2) AGRC and Geospatial Transportation Environmental Assessment System.

Time Required: 50 minutes

52. UDOT Standard Specifications – 2008 Edition (Materials Specifications)

Track: Materials

Presenters: Central Materials Staff – Tim Biel, Kevin VanFrank.

Synopsis: The 2008 specification book represents a significant amount of review and work. UDOT staff did extensive reviews of all specifications. What changed. Why? How do the changes impact projects? This session addresses changes to Material specifications.

Time Required: 90 minutes

62. Cost Estimating

Track: Design

Presenters: Jason Henrie, Robert Miles and Various UDOT Personnel

Synopsis: What tools are out there and how do you use them to come up with a good estimate?

Time Required: 50 minutes